

IFW  
PATENT

Case Docket No. BROADRE.23CP1C1  
Date: October 12, 2004

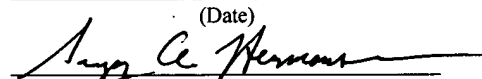
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Broadley, et al.  
Appl. No. : 10/621,010  
Filed : July 15, 2003  
For : REFERENCE ELECTRODE  
HAVING A MICROFLUIDIC  
FLOWING LIQUID JUNCTION  
Examiner : Unassigned  
Group Art Unit : 1753

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

October 12, 2004

(Date)

  
Gregory A. Hermanson, Reg. No. 53,018


TRANSMITTAL LETTER

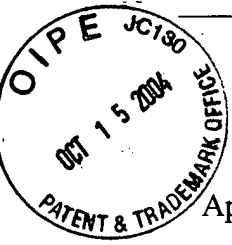
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with thirty-five (35) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

  
Gregory A. Hermanson  
Registration No. 53,018  
Attorney of Record  
Customer No. 20,995  
(619) 235-8550



## INFORMATION DISCLOSURE STATEMENT

Applicant(s) : Broadley, et al.

Examiner: Unassigned

Appl. No. : 10/621,010

Group Art Unit: 1753

Filed : July 15, 2003

For : REFERENCE ELECTRODE HAVING A  
MICROFLUIDIC FLOWING LIQUID  
JUNCTIONCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing thirty-five (35) references that are of record in U.S. patent application no. 09/590,781, filed June 8, 2000, now U.S. Patent No. 6,599,409 and U.S. patent application no. 09/738,881, filed December 14, 2000, now U.S. Patent No. 6,616,821, which are the parents of this continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON &amp; BEAR, LLP

Dated: October 12, 2004By: Gregory A. HermansonGregory A. Hermanson  
Registration No. 53,018  
Attorney of Record  
Customer No. 20,995  
(619) 235-8550

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
BROADRE.23CP1C1APPLICATION NO.  
10/621,010INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTAPPLICANT  
Broadley et al.FILING DATE  
July 15, 2003GROUP  
1753

USE SEVERAL SHEETS IF NECESSARY)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	2,595,042	04/29/52	Wyllie			
	2	3,445,368	05/20/69	M. Detemple			
	3	3,528,904	09/15/70	Cliffgard			
	4	3,607,702	09/21/71	Haller			
	5	3,756,936	09/04/73	Neuwelt			
	6	3,915,829	10/28/75	Krebs			
	7	3,917,523	11/04/75	Stein et al.			
	8	3,926,765	12/16/75	Haddad			
	9	4,002,547	01/11/77	Neti et al.			
	10	4,012,308	03/15/77	Jerrold-Jones et al.			
	11	4,177,126	12/04/79	Imaki et al.			
	12	4,366,040	12/28/82	Marsoner et al.			
	13	4,495,052	01/22/85	Brezinski			
	14	4,592,823	06/03/86	Gregory			
	15	4,592,824	06/03/86	Smith et al.			
	16	4,818,366	04/04/89	Yonco et al.			
	17	5,360,529	11/01/94	Edwards et al.			
	18	5,397,452	03/14/95	Buck et al.			
	19	5,632,876	05/23/97	Zanzucchi et al.			
	20	6,165,336	12/26/00	Maki et al.			

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. BROADRE.23CP1C1	APPLICATION NO. 10/621,010
	APPLICANT Broadley et al.	
	FILING DATE July 15, 2003	GROUP 1753

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	21	WO 99/56954	11/11/99	PCT				
	22	WO 99/63334 A1	12/09/99	PCT				
	23	WO 01/75430 A2	10/11/01	PCT				
	24	GB 2 093 193 A	08/25/82	UK				
	25	JP 10104193-A2	04/24/98	JAPAN			X	
	26	JP 11258197-A2	09/24/99	JAPAN			X	
	27	2 541 4624	02/17/83	FRANCE			X	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	28	Brezinski, Donald, <i>Kinetic, static and stirring errors of liquid junction reference electrodes</i> , Corning Glass Works, April 1983: Vol 108, No. 1285, pp 425-442
	29	Illingworth, John, <i>A common source of error in pH measurements</i> Biochem. J. (1981) 195,259-262
	30	Covington et al., <i>Improvements in the precision of Ph measurements a laboratory reference electrode with renewable free-diffusion liquid junction</i> , Analytica Chemical Acta, 169(1985) 221-229
	31	Dohner et al., <i>Reference electrode with free-flowing free-diffusion liquid junction</i> , Analytical Chemistry, Vol 68, No. 12 (1986) pp 2585-2589
	32	Nishizawa, M. et al.: Metal nanotubule membranes with electrochemically switchable ion-transport selectivity; Science, American Assoc for the advancement of science: 268, 700-702 (1995)
	33	Peters, G.: A reference electrode with free-diffusion liquid junction for electrochemical measurements under changing pressure conditions; Analytical Chemistry, US American Chemical Society: 69:13 2362-2366 (1997)
	34	Suzuki et al., "Microfabricated Liquid Junction Ag/AgCl Reference Electrode and its Application to a One-Chip Potentiometric Sensor, <i>Anal. Chem.</i> Vol. 71, No. 22, pp. 5069-5075, November 15, 1999
	35	Hulstee, J.C. et al. (1997) A general template-based method for the preparation of nanomaterials. <i>J. Matr. Chem.</i> 7(7):1075-1087.

S:\DOCS\GAH\GAH-3016.DOC/cfg/101104

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	